



Forest Health Monitoring Program Report October 10th, 2021

This report is intended to share information to forest land managers about forest health damages observed by the Arkansas Department of Agriculture, Forestry Division – Forest Health Monitoring Program. Chandler Barton, Forest Health Specialist, conducts aerial survey annually to detect or monitor forest threats. The areas selected in this report may or may not have been ground-checked; please use this information to aid your forest management operations. Please contact me if you require more information or need my assistance.

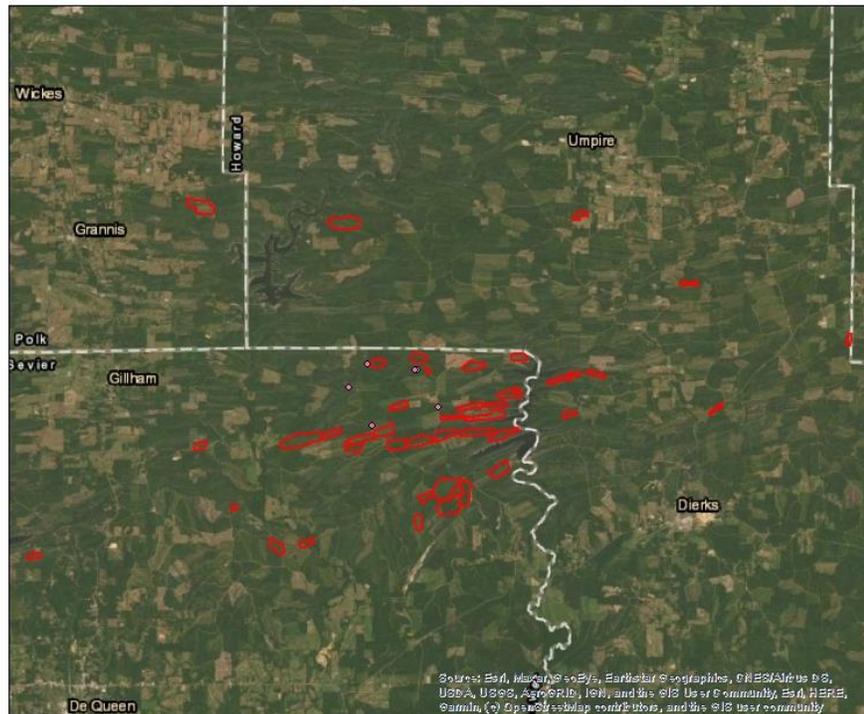
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On October 10th, 2021, the Arkansas Forestry Division constructed a follow up aerial survey for possible Ips bark beetle outbreaks in southwestern Arkansas. The area was previously mapped with needlecast discoloration earlier in 2021. Intensively managed loblolly pine forests around Dierks Lake in Howard and Sevier counties are experiencing an ongoing Ips infestation. In total, we mapped 3,429 acres. A ground survey has confirmed heavy densities of *Ips avulsus*. During the ground survey there were also sightings of black turpentine beetles, *Ips calligraphus*, *Ips grandicollis*, as well as ambrosia beetles and deodar weevil (*Pissodes nemorensis*). Given the cooler temperatures, the progression of this outbreak is expected to slow as secondary bark beetle associates infest fading trees. Below is a map showing areas of the ongoing outbreak as well photos taken during the ground survey.

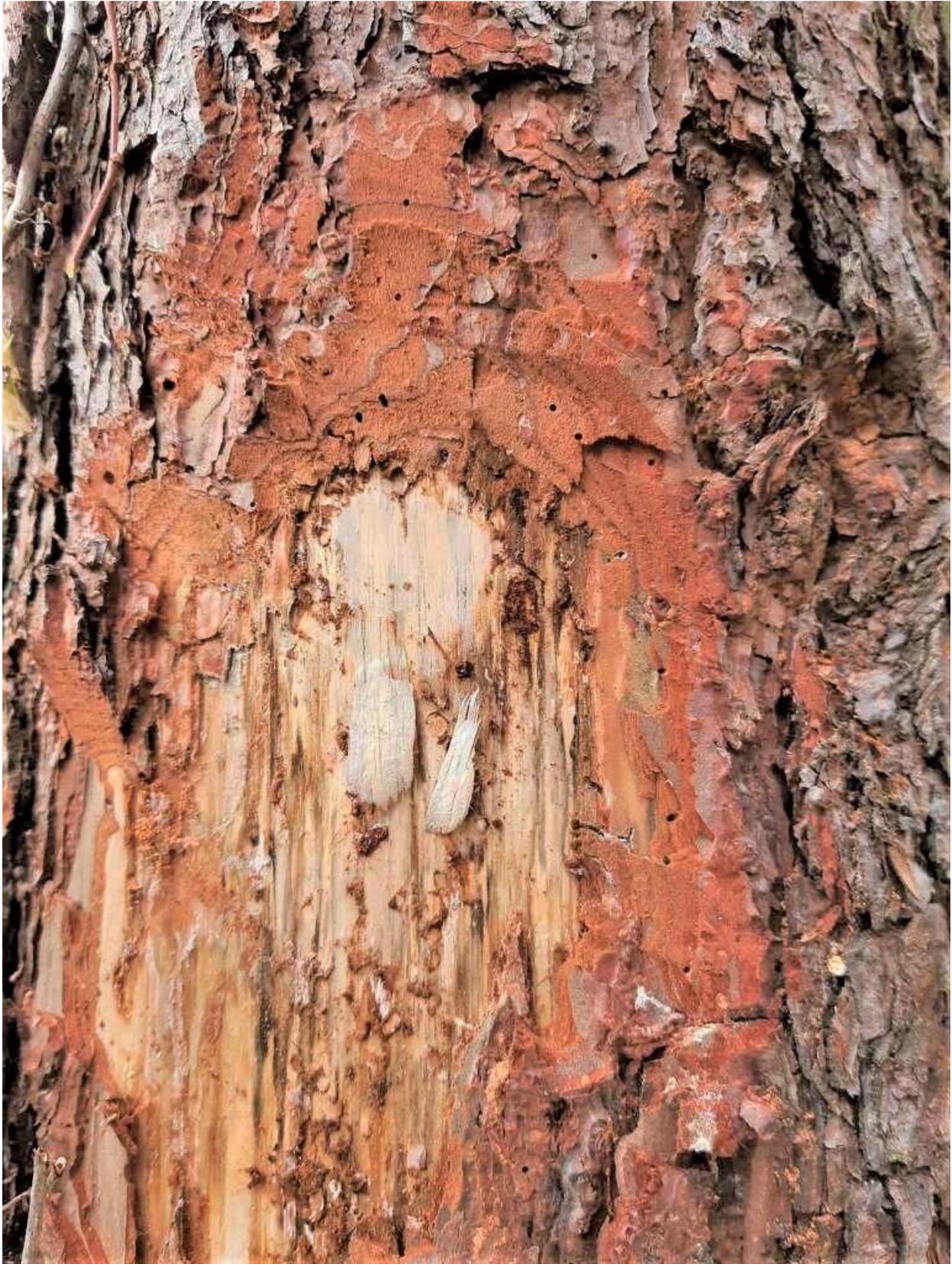
Ips Damage Area



 *Ips avulsus*



Source: Esri, Mapbox, DeLorme, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, DeLorme, Swatchmap contributors, and the GIS User Community



(Above) *Ips avulsus* galleries and exit holes

